



Sheet 1 of 4

Form PTO-1449		Docket No.: 39262/256238		Application No.: 09/827,252	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: J. Charles Taylor, et al.			
		Filing Date: April 5, 2001		Group Art Unit 3731	
U.S. PATENT DOCUMENTS					
Examiner Initial	Patent Number	Date	Patentee	Class	Subclass
JA	1,308,799	07/1919	Masland		
	2,055,024	09/1936	Bittner, Jr.		
	2,250,417	07/1941	Ettinger		
	2,391,537	12/1945	Anderson		
	2,487,989	11/1949	Sherburne		
	3,176,805	04/1965	Gandy		
	3,727,610	04/1973	Riniker		
	3,941,123	03/1976	Volkov et al.		
	3,977,397	08/1976	Kalnberz et al.		
	3,985,127	10/1976	Volkov et a.		
	4,033,340	07/1977	Kalnberz		
	4,100,919	07/1978	Oganesyan et al.		
	4,112,935	09/1978	Latypov et al.		
	4,127,119	11/1978	Kronner		
	4,308,863	01/1982	Fischer		
	4,361,144	11/1982	Slätis		
	4,365,624	12/1982	Jaquet		
	4,482,266	11/1984	Kaneko		
	4,483,334	11/1984	Murray		
	4,502,473	03/1985	Harris et al.		
	4,541,422	09/1985	de Zbikowski		
	4,554,915	11/1985	Brumfield		
	4,570,625	02/1986	Harris et al.		
	4,615,338	10/1986	Illzarov et al.		
	4,620,533	11/1986	Mears		
	4,624,249	11/1986	Cambras		
	4,628,922	12/1986	Dewar		
	4,662,365	05/1987	Gotzen et al.		
	4,768,524	09/1988	Hardy		
	4,889,111	12/1989	Ben-Dov		
4,928,546	05/1990	Walters			
4,973,331	11/1990	Pursley et al.			
4,988,244	01/1991	Sheldon et al.			
5,028,180	07/1991	Sheldon et al.			
5,062,844	11/1991	Jamison et al.			
5,170,790	12/1992	Lacoste et al.			
5,179,525	01/1993	Griffis et al.			
JA	5,180,380	01/1993	Pursley et al.		
Examiner: <u>Jack R. Zhe</u>			Date Considered: <u>10/15/02</u>		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					



Sheet 2 of 4

Form PTO-1449

Docket No.:

39262/256238

Application No.

09/827,252

INFORMATION DISCLOSURE
CITATION

IN AN APPLICATION

(Use several sheets if necessary)

Applicant:

J. Charles Taylor, et al.

Filing Date:

April 5, 2001

Group Art Unit

3731

U.S. PATENT DOCUMENTS (continued)

Examiner Initial	Document Number	Date	Patentee	Class	Subclass
DA	5,209,750	05/1993	Stef		
	5,259,710	11/1993	Charles		
	5,275,598	01/1994	Cook		
	5,354,158	10/1994	Sheldon et al.		
	5,372,597	12/1994	Hotchkiss, et al.		
	5,388,935	02/1995	Sheldon		
	5,405,347	04/1995	Lee et al.		
	5,461,515	10/1995	Sorce		
	5,466,085	11/1995	Sheldon et al.		
	5,490,784	02/1996	Carmein		
	5,702,389	12/1997	Taylor et al.		
	5,728,095	03/1998	Taylor, et al.		
	5,776,132	07/1998	Blyakher		
	5,797,908	08/1998	Meyers et al.		
	5,971,984	10/1999	Austin, et al.		
CA	6,030,386	02/2000	Taylor, et al.		

NON-U.S. DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
	0 589 565	03/1994	EPO			
	1 255 118	09/1986	U.S.S.R.			
	1 519 673	11/1989	U.S.S.R.			
	108119	07/1917	UK			
	2 077 847	12/1981	UK			
	2 576 774	08/1986	France			
	2 756 025	11/1996	France			
	25 46 046	04/1977	Germany			
	295 03 147.6	06/1995	Germany			
	295 14411 1-U	01/1996	Germany			
	820813	04/1981	U.S.S.R.			
	WO 91/06253	05/1991	WIPO			
	WO 92/17313	10/1992	WIPO			
MA	WO 96/26678	09/1996	WIPO			

Examiner:

Jackieho

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.




Form PTO-1449		Docket No.: 39262/256238	Application No.: 09/827,252
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: J. Charles Taylor, et al.	
		Filing Date: April 5, 2001	Group Art Unit 3731
OTHER MATERIAL			
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
JA	A.S.A.M.I. Group, "Operative Principles of Ilizarov - Fracture Treatment, Nonunion Osteomyelitis, Lengthening Deformity Correction," Medi Surgical Video, 1991.		
JA	Catagni, M.A., Malzev, V., Kirienco, A., "Advances in Ilizarov Apparatus Assembly - Fracture Treatment, Pseudarthroses-Lengthening Deformity Correction," Medicalplastic srl, 1994.		
	Chen, N., Song, S., "Direct Position Analysis of the 4-6 Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, Mar. 1994, pp. 61-66.		
	Chironis, Nicholas P., "Mechanisms & Mechanical Devices Sourcebook", pp. 366-367, McGraw-Hill, Inc., 1991.		
	Dasgupta, B., Mruthyunjaya, T.S., "A Canonical Formulation Of The Direct Position Kinematics Problem For A General 6-6 Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 6, 1994, pp. 819-827.		
	Dasgupta, B., Mruthyunjaya, T.S., "Letter To The Editor", <i>Mech. Mach. Theory</i> , vol. 29, No. 2, 1994, p. 341.		
	Fenton, R.G., "Response", <i>Mech. Mach. Theory</i> , vol. 29, No. 2, 1994, p. 343.		
	Fichter, E. F., "A Stewart Platform-Based Manipulator: General Theory and Practical Construction", <i>International Journal of Robotics Research</i> , vol. 5, No. 2, pp. 157-182.		
	Gong, Z.J., Haynes, L.S., "A "3-2-1" Kinematic Configuration Of A Stewart Platform And Its Application to Six Degree Of Freedom Pose Measurements", <i>Robotics & Computer-Integrated Manufacturing</i> , vol. 11, No. 1, 1994, pp. 23-24.		
	Hex-Fix Surgical Technique brochure, title page and pp. 1-7.		
JA	Ilizarov, Gavriil A., "Transosseous Osteosynthesis-Theoretical and Clinical Aspects of the Regeneration and Growth of Tissue," Springer-Verlag, 1992.		
	Ji, Z., "Dynamics Decomposition for Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, Mar. 1994, pp. 67-69.		
	Liu, K., Fitzgerald, J.M., Lewis, F.L., "Kinematic Analysis of a Stewart Platform Manipulator", <i>IEEE Transaction On Industrial Electronics</i> , vol. 40, No. 2, Apr. 1993, pp. 282-293.		
	Liu, K., Lewis, F.L., Fitzgerald, M., "Solution Of Nonlinear Kinematics Of A Parallel-Link Constrained Stewart Platform Manipulator", <i>Circuits Systems Signal Process</i> , vol. 13, No. 2-3, 1994, pp. 167-183.		
JA	Monticelli Spinelli® External Fixation System, cover and pp. 1-28.		
	Nair, R., Maddocks, J.H., "On The Forward Kinematics Of Parallel Manipulators", <i>The International Journal of Rototics Research</i> , vol. 13, No. 2, Apr. 1994, pp. 171-188.		
	Nanua, P., Waldron, K.J., and Murthy, V., "Direct Kinematic Solution of a Stewart Platform", <i>IEEE Transactions On Robotics And Automation</i> , vol. 6, No. 4, Aug. 1990, pp. 438-443.		
	Raghavan, M., "The Stewart Platform of General Geometry Has 40 Configurations", <i>Journal of Mechanical Design</i> , vol. 115, Jun. 1993, pp. 277-282.		
	Richards Medical Company, <i>Richards External Fixation Systems</i> , 1983, 8 pages.		
	Smith & Nephew Richards Inc., <i>The Original Ilizarov System, The Ilizarov External Fixator General Surgical Technique Brochure</i> , 1988.		
	Sreenivasan, S.V., Waldron, K.J., "Closed-Form Direct Displacement Analysis Of A 6-6 Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 6, 1994, pp. 855-864.		
	Stoughton, R.S., Arai, T., "A Modified Stewart Platform Manipulator With Improved Dexterity", <i>IEEE Transactions On Robotics And Automation</i> , vol. 9, No. 2, Apr. 1993.		
JA	Techniques In Orthopaedics, <i>Basic Ilizarov Techniques</i> , vol. 5, No. 4, Dec. 1990, 4 pages.		
	The Ilizarov Method Bioskills Workshop Handbook, Essential Concepts & Methodology for Application of the Ilizarov Technique, 26 pages.		
	"The Ilizarov External Fixator, General Surgical Technique Brochure", 1988.		
	Variax™, Giddings & Lewis® Automation Technology, 4 pages.		
	Wen, F., Liang, C., "Displacement Analysis Of The 6-6 Stewart Platform Mechanisms", <i>Mech. Mach. Theory</i> , vol. 29, No. 4, 1994, pp. 547-557.		
	Wohlhart, K., "Displacement Analysis Of The General Spherical Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 4, 1994, pp. 581-589.		
	Zhang, C., Song, S., "Forward Position Analysis Of Nearly General Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, pp. 54-60, Mar. 1994.		
Examiner:	Date Considered:		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			

Form PTO-1449	Docket No.: 39262/256238	Application No.: 09/827,252
	Applicant: J. Charles Taylor, et al.	
	Filing Date: April 5, 2001	Group Art Unit 3731

OTHER MATERIAL	
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
	Zhuang, H., Roth, Z.S., "Method For Kinematic Calibration Of Stewart Platforms", Journal Of Robotic Systems, 10(3), 1993, pp. 391-405.

NO COPY
NOT CONSIDERED

RECEIVED
OCT 19 2001
T 3700 MAIL ROOM

Examiner: 	Date Considered: 11/15/02
--	---------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Docket No.:

39262/256238

Application No.

09/827,252

INFORMATION DISCLOSURE
CITATION

IN AN APPLICATION
(Use several sheets if necessary)

Applicant:

J. Charles Taylor, et al.

Filing Date:

April 5, 2001

Group Art Unit

3731

OTHER MATERIAL

Examiner
Initial

Including Author, Title, Date, Pertinent Pages, Etc.

Zhuang, H., Roth, Z.S., "Method For Kinematic Calibration Of Stewart Platforms", *Journal Of Robotic Systems*, 10(3), 1993, pp. 391-405.

RECEIVED
OCT 19 2001
3700 MAIL ROOM

th, Z.S., "Method For Kinematic Calibration Of Stewart Platform".
05.

~~NO COPY~~

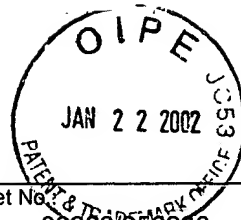
~~NOT CONSIDERED~~

Examiner:

Date Considered:

11/15/02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



Sheet 1 of 3

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket No. 39262/256238		Application No. 09/827,252		
		Applicant: J. Charles Taylor, et al.				
		Filing Date: April 5, 2001		Group Art Unit: 3731		
U.S. PATENT DOCUMENTS						
Examiner Initial		Patent Number	Date	Patentee	Class	Subclass
		1,308,799	07/1919	Masland		
		2,055,024	09/1936	Bittner, Jr.		
		2,250,417	07/1941	Ettinger		
		2,391,537	12/1945	Anderson		
		2,487,989	11/1949	Sherburne		
		3,176,805	04/1965	Gandy		
		3,727,610	04/1973	Riniker		
		3,941,123	03/1976	Volkov et al.		
		3,977,397	08/1976	Kalnberz et al.		
		3,985,127	10/1976	Volkov et a.		
		4,033,340	07/1977	Kalnberz		
		4,100,919	07/1978	Oganesyan et al.		
		4,112,935	09/1978	Latypov et al.		
		4,127,119	11/1978	Kronner		
		4,308,863	01/1982	Fischer		
		4,361,144	11/1982	Slätis		
		4,365,624	12/1982	Jaquet		
		4,482,266	11/1984	Kaneko		
		4,483,334	11/1984	Murray		
		4,502,473	03/1985	Harris et al.		
		4,541,422	09/1985	de Zbikowski		
		4,554,915	11/1985	Brumfield		
		4,570,625	02/1986	Harris et al.		
		4,615,338	10/1986	Illzarov et al.		
		4,620,533	11/1986	Mears		
		4,624,249	11/1986	Cambras		
		4,628,922	12/1986	Dewar		
		4,662,365	05/1987	Gotzen et al.		
		4,768,524	09/1988	Hardy		
		4,889,111	12/1989	Ben-Dov		
		4,928,546	05/1990	Walters		
		4,973,331	11/1990	Pursley et al.		
		4,988,244	01/1991	Sheldon et al.		
		5,028,180	07/1991	Sheldon et al.		
		5,062,844	11/1991	Jamison et al.		
		5,170,790	12/1992	Lacoste et al.		
		5,179,525	01/1993	Griffis et al.		
		5,180,380	01/1993	Pursley et al.		
Examiner:				Date Considered:		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

RECEIVED
JAN 24 2002
ITC 3700 MAIL ROOM



Sheet 2 of 3

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket No. 39262/256238			Application No. 09/827,252		
		Applicant: J. Charles Taylor, et al.					
		Filing Date: April 5, 2001			Group Art Unit 3731		
U.S. PATENT DOCUMENTS (continued)							
Examiner Initial		Document Number	Date	Patentee	Class	Subclass	
JA	T	5,209,750	05/1993	Stef	T	T	T
		5,259,710	11/1993	Charles			
		5,275,598	01/1994	Cook			
		5,354,158	10/1994	Sheldon et al.			
		5,372,597	12/1994	Hotchkiss, et al.			
		5,388,935	02/1995	Sheldon			
		5,405,347	04/1995	Lee et al.			
		5,461,515	10/1995	Sorce			
		5,466,085	11/1995	Sheldon et al.			
		5,490,784	02/1996	Carmein			
		5,702,389	12/1997	Taylor et al.			
		5,728,095	03/1998	Taylor, et al.			
		5,776,132	07/1998	Blyakher			
		5,797,908	08/1998	Meyers et al.			
		5,971,984	10/1999	Austin, et al.			
JA	T	6,030,386	02/2000	Taylor, et al.			
NON U.S. DOCUMENTS							
Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation
JA	T	0 589 565	03/1994	EPO	T	T	T
		1 255 118	09/1986	U.S.S.R.			
		1 519 673	11/1989	U.S.S.R.			
		108119	07/1917	UK			
		2 077 847	12/1981	UK			
		2 576 774	08/1986	France			
		2 756 025	11/1996	France			
		25 46 046	04/1977	Germany			
		295 03 147.6	06/1995	Germany			
		295 14 111.1	01/1996	Germany			
		820813	04/1981	U.S.S.R.			
		WO 91/06253	05/1991	WIPO			
WO 92/17313	10/1992	WIPO					
WO 96/26678	09/1996	WIPO					
Examiner: <i>Jacobieha</i>				Date Considered: 1/15/02			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

RECEIVED
JAN 24 2012
TC 3700 MAIL ROOM



Sheet 3 of 3

Form PTO-1449		Docket No.: 39262/256238	Application No. 09/827,252
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: J. Charles Taylor, et al.	
		Filing Date: April 5, 2001	Group Art Unit 3731
OTHER MATERIAL			
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
JA	A.S.A.M.I. Group, "Operative Principles of Ilizarov – Fracture Treatment, Nonunion Osteomyelitis, Lengthening Deformity Correction," Medi Surgical Video, 1991.		
JA	Catagni, M.A., Malzev, V., Kirienko, A., "Advances in Ilizarov Apparatus Assembly – Fracture Treatment, Pseudarthroses-Lengthening Deformity Correction," Medicalplastic srl. 1994.		
	Chen, N., Song, S., "Direct Position Analysis of the 4-6 Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, Mar. 1994, pp. 61-66.		
	Chironis, Nicholas P., "Mechanisms & Mechanical Devices Sourcebook", pp. 366-367, McGraw-Hill, Inc., 1991.		
	Dasgupta, B., Mruthyunaya, T.S., "A Geometrical Formulation Of The Direct Position Kinematics Problem For A General 6-6 Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 6, 1994, pp. 813-827.		
	Dasgupta, B., Mruthyunaya, T.S., "Letter To The Editor", <i>Mech. Mach. Theory</i> , vol. 29, No. 2, 1994, p. 341.		
	Fenton, R.G., "Response", <i>Mech. Mach. Theory</i> , vol. 29, No. 2, 1994, p. 343.		
	Fichter, E. F., "A Stewart Platform-Based Manipulator: General Theory and Practical Construction", <i>International Journal of Robotics Research</i> , vol. 5, No. 2, pp. 157-182.		
	Geng, Z.J., Haynes, L.S., "A "3-2-1" Kinematic Configuration Of A Stewart Platform And Its Application To Six Degree Of Freedom Pose Measurements", <i>Robotics & Computer-Integrated Manufacturing</i> , vol. 11, No. 2, 1994, pp. 23-24.		
	Hex-Fix Surgical Technique brochure, title page and pp. 1-7.		
	Ilizarov, Gavriil A., "Transosseous Osteosynthesis-Theoretical and Clinical Aspects of the Regeneration and Growth of Tissue," Springer-Verlag, 1992.		
	Jr, Z., "Dynamics Decomposition for Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, Mar. 1994, pp. 67-69.		
	Liu, K., Fitzgerald, J.M., Lewis, F.L., "Kinematic Analysis of a Stewart Platform Manipulator", <i>IEEE Transaction On Industrial Electronics</i> , vol. 40, No. 2, Apr. 1993, pp. 282-293.		
	Liu, K., Lewis, F.L., Fitzgerald, M., "Solution Of Nonlinear Kinematics Of A Parallel-Link Constrained Stewart Platform Manipulator", <i>Circuits Systems Signal Process</i> , vol. 13, No. 2-3, 1994, pp. 167-183.		
	Monticelli Spinelli® External Fixation System, cover and pp. 1-28.		
	Nair, R., Maddocks, J.H., "On The Forward Kinematics Of Parallel Manipulators", <i>The International Journal of Rototics Research</i> , vol. 13, No. 2, Apr. 1994, pp. 171-188.		
	Nanua, P., Waldron, K.J., and Murthy, V., "Direct Kinematic Solution of a Stewart Platform", <i>IEEE Transactions On Robotics And Automation</i> , vol. 6, No. 4, Aug. 1990, pp. 438-443.		
	Raghavan, M., "The Stewart Platform of General Geometry Has 40 Configurations", <i>Journal of Mechanical Design</i> , vol. 115, Jun. 1993, pp. 277-282.		
	Richards Medical Company, <i>Richards External Fixation Systems</i> , 1983, 8 pages.		
	Smith & Nephew Richards Inc., <i>The Original Ilizarov System, The Ilizarov External Fixator General Surgical Technique Brochure</i> , 1988.		
	Sreenivasan, S.V., Waldron, K.J., "Closed-Form Direct Displacement Analysis Of A 6-6 Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 6, 1994, pp. 855-864.		
	Stoughton, R.S., Arai, T., "A Modified Stewart Platform Manipulator With Improved Dexterity", <i>IEEE Transactions On Robotics And Automation</i> , vol. 9, No. 2, Apr. 1993.		
	Techniques In Orthopaedics, <i>Basic Ilizarov Techniques</i> , vol. 5, No. 4, Dec. 1990, 4 pages.		
	The Ilizarov Method Bioskills Workshop Handbook, <i>Essential Concepts & Methodology for Application of the Ilizarov Technique</i> , 26 pages.		
	"The Ilizarov External Fixator, General Surgical Technique Brochure", 1988.		
	Variax™, Giddings & Lewis® Automation Technology, 4 pages.		
	Wen, F., Liang, C., "Displacement Analysis Of The 6-6 Stewart Platform Mechanisms", <i>Mech. Mach. Theory</i> , vol. 29, No. 4, 1994, pp. 547-557.		
	Wohlhart, K., "Displacement Analysis Of The General Spherical Stewart Platform", <i>Mech. Mach. Theory</i> , vol. 29, No. 4, 1994, pp. 581-589.		
	Zhang, C., Song, S., "Forward Position Analysis Of Nearly General Stewart Platforms", <i>Journal of Mechanical Design</i> , vol. 116, pp. 54-60, Mar. 1994.		
	Zhuang, H., Roth, Z.S., "Method For Kinematic Calibration Of Stewart Platforms", <i>Journal Of Robotic Systems</i> , 10(3), 1993, pp. 391-405.		
Examiner:	Date Considered:		
Jackie Cho	11/15/02		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			